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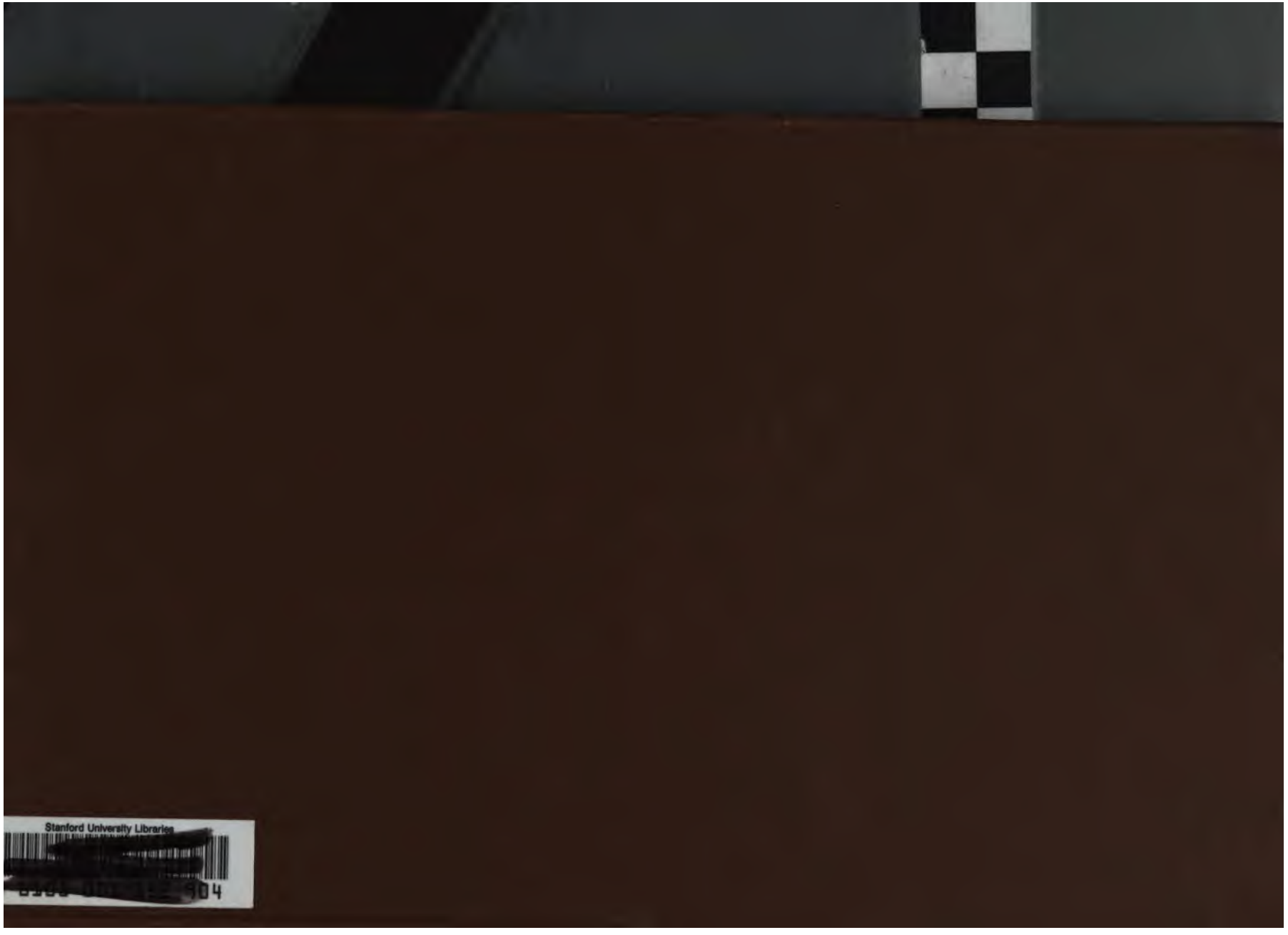
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DEPARTMENT OF THE INTERIOR

BULLETIN

OF THE

UNITED STATES

GEOLOGICAL SURVEY

No. 91

RECORD OF NORTH AMERICAN GEOLOGY FOR 1890

WASHINGTON
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WASHINGTON, D. C., *October*, 1891.

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UNITED STATES

GEOLOGICAL SURVEY

No. 91

WASHINGTON
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1891

UNITED STATES GEOLOGICAL SURVEY
J. W. POWELL, DIRECTOR

RECORD

OF

NORTH AMERICAN GEOLOGY FOR 1890

BY

NELSON HORATIO DARTON

WASHINGTON
GOVERNMENT PRINTING OFFICE
1891

RECORD OF NORTH AMERICAN GEOLOGY FOR 1890.

BY NELSON HORATIO DARTON.

INTRODUCTORY.

This work is the continuation of the record for 1887–1889,[1] inclusive, and includes publications received during the year 1890.

The literary scope of this record includes geologic publications printed in North America, and publications on North American geology wherever printed. Purely paleontologic or mineralogic papers are not included.

The entries are comprised in the three following classes, all arranged in a single alphabetic sequence:

I. *Principal entries.*—Consisting of full titles of separate contributions classified by authors, together with an abbreviated reference to the containing publication and a short note descriptive of the geologic contents. Imprint dates are given only when other than 1890, and size of page when other than octavo. The extent of papers less than a page in length is indicated thus: ⅛ p., ¼ col., 3 lines.

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III. *Subject references.*—Each consisting of a condensed title of paper, and the author's name for cross-reference to a principal entry. These are essentially index references, but they are entered under a limited number of headings, of which a classified key is given below.

[1]Bulletin U. S. Geol. Survey, No. 75, pp. 173. Washington, 1891.

CLASSIFIED KEY TO THE SUBJECT ENTRIES.

(1) GEOGRAPHIC SUBJECTS.

Alabama.
Alaska, and the other States and Territories.
Africa.
Asia.
Canada (including all of British Columbia).
Central America.
Europe.
Hawaiian Islands.
Mexico.
South America.

(2) STRATIGRAPHIC SUBJECTS.

Archean and Algonkian, with sub-headings as follows:
- Eastern Canada.
- Lake Superior to Lake Huron region.
- New England.
- New York to Georgia.
- Western United States.
- Nomenclature.

Cambrian, with sub-headings as follows:
- Canada.
- New York and New England.
- Pennsylvania to Virginia.
- Illinois.
- Great Lakes region.
- Western United States.
- Nomenclature.

Carboniferous (including Permian), with sub-headings as follows:
- Canada.
- New England.
- Appalachians to the Mississippi.
- Iowa, Missouri, Kansas.
- Arkansas to Mexico.
- Rocky Mountain region.
- Arizona.
- Central America.
- California.

Cretaceous, with sub-headings as follows:
- Atlantic Coast region.
- Canada.
- Great Plains and Rocky Mountain region.
- Texas region.
- Mexico.
- Kentucky.
- Pacific coast.
- South America.

Devonian, with sub-headings as follows:
- Alabama.
- Canada.
- Central America.
- England.
- Illinois.
- Iowa.
- Kentucky.
- Maine.
- Massachusetts.
- New Jersey.
- New York.
- Ohio and Indiana.
- Pennsylvania.
- Tennessee.
- Virginia and Maryland.
- Western United States.
- Nomenclature.

Jura-Trias, with sub-headings as follows:
- Canada.
- Central America.
- Newark formation (Connecticut to North Carolina).
- Western United States.
- Nomenclature.

Pleistocene, with sub-headings as follows:
- Alaska.
- Appalachians to Mississippi basin.
- Atlantic Coast region.
- Central America.
- General.
- Great Lakes region and eastern Canada.
- Mississippi basin to Rocky Mountains.
- Rocky Mountains to Pacific coast.
- Western Canada.

Silurian, with sub-headings as follows:
- Appalachians (Maine to Alabama).
- Canada.
- Central and Western States.
- Nomenclature.

Tertiary, with sub-headings as follows:
- Atlantic Coast plain.
- Gulf States (Florida to Texas).
- Arkansas to Kansas.
- British Columbia.
- Central and Western United States.
- California and Oregon.
- Mexico.
- Central America.
- South America.

(3) OTHER SUBJECTS.

Geologic philosophy, with sub-headings as follows:
- Petrology.
- Glaciology.
- Physiographic geology.
- Earth crust deformation.
- Chemical and chemico-organic deposition.
- Geologic climate.
- Volcanism.
- Miscellaneous.

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